in the next chapter does not include such theoretical deductions. The last chapter on photons deals briefly with the dual character of light.

The book is beautifully got up, and is printed on real art paper. The quality of illustrations leaves nothing to be desired and the number of such beautiful illustrations is quite large. Chapters on interference and diffraction deserve special mention in this respect. The book will certainly prove useful not only to undergraduate students who are preparing for the B.Sc. Pass course but also to those who have taken up B.Sc. Honours course in any Indian University.

S. C. S

(3)

Heat and Temperature Measurement.—By Robert L. Weber, Pp. 422 + x. Prentice Hall Inc., New York, 1950. Price $ 6.65.

The book is divided into two parts. The first part deals with well known principles of heat, but the order in which these topics have been arranged is a little different from that found in conventional text books. After chapters on temperature scales and different forms of thermometers, theory of conduction of heat has been discussed. This has been followed by two chapters dealing with thermo-electricity and thermo-electric measurements Laws of radiation and theory of optical and radiation pyrometers have been given in the next two chapters. This has been followed by two chapters dealing with resistance thermometers and temperature recording. Chapter 10 deals with calorimetry in a rather elementry way and phase diagram and phase rule have been discussed in the next chapter. This has been followed by chapters on laws of thermodynamics, production and measurement of extreme temperatures and some special methods of temperature measurement. In the last chapter of part I international temperature scale has been discussed.

Part II of the book deals with 29 laboratory experiments on heat. These experiments include, besides those on different methods of measuring temperatures, a few on calorimetry, relative humidity and viscosity of fluids. The theory of the experiment has been given in each case and in some cases photographs of the actual apparatus have been included.

The book is copiously illustrated and printed on art paper. The book may be useful to under-graduate science students of Indian Universities preparing for their practical course and also to those who are engaged in any work in which accurate temperature measurement is involved.

S. C. S.